

[illegible]

A power supply module (58) for an implantable device (54) has a biocompatible outer housing (80) which holds a repeatedly rechargeable electrochemical battery (90) that supplies electrical power to a main module (56) of the implantable device (54) via a coupling element (82). The outer housing is made as a hermetically tight protective housing or holds such a housing (88). The protective housing (88) has a detector element (92) which is designed or adjustable to actuate at least one switching element (94) which prevents recharging and/or discharging of the battery (90) when the battery is in an unallowable operating state. The coupling element (82) is preferably made detachable.